

This list is encouragement and support for Amateur Radio stations active on 630m & 2200m to work toward ARRL Worked All States (WAS) awards. The list is updated on Mondays as more stations and states become active with QSO modes and other new information becomes available.

Information from these sources is used to compile this list:

<https://khz-chat.slack.com/>

<http://mailman.qth.net/pipermail/600mrg/> (Current discussion archive)

Information emailed to [WØRPK@netins.net](mailto:WØRPK@netins.net)

#### NOTES:

- [1] FST4 is the most common digital (DIG) QSO mode
- [2] First and latest QSO dates from sources to left
- [3] REMARKS as given by station operators and WØRPK
- [4] [2200m] Station participates in 2200m QSOs

Please send additional information, corrections and list suggestions to Ralph Wallio WØRPK [WD2XSH/34] via [WØRPK@netins.net](mailto:WØRPK@netins.net).

### 630M & 2200M WAS LIST #298 17Jul23

QSO	QSL	ST	CALL	NAME	GRID	QSO MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	AL	N4WLO	Tim	EM50uo	DIG SSB	07Feb18	30May23	[2200m] Off-the-air 16Jun23 pending damage repair
[ ]	[ ]	AK	KL7L	Laurence	BP5lip	CW DIG	23Oct17	09Jan21	[WE2XPQ] [2200m]
[ ]	[ ]	AZ	W7LUX	Joe	DM45dc	DIG	20Jan23	20Feb23	
			NI6Q	Brian	DM45ae	CW	12Dec20	31Jan21	
			K7PO	Ward	DM33NL	CW DIG SSB	08Dec17	02Dec20	[WH2XXP] [2200m]
			NNØW	Daryl	DM33un	DIG	27Sep19	18Feb20	
			NI7J	Ron	DM33xt	SSB	29Jan20	29Jan20	[WH2XND] [2200m]
[ ]	[ ]	AR	W7XU/5	Arliss	EM36il	DIG	08Apr21	08Apr21	630m PORTABLE
[ ]	[ ]	CA	K6KBE	Mel	CM98mg	SSB	02Apr18	24Oct22	QRZ for 630m QSOs
			WD4PLI	David	DM04ue	CW SSB	23Sep18	24Oct22	
			WB7ABP	Lynn	CM88ok	DIG	25Nov18	15Sep21	
			KR7O	Robert	DM07ba	DIG	01Jan18	21May21	WAS:33
			KK6GK	John	DM04rf	SSB	05Oct20	01Mar21	
			N1VF	Ben	CM97ai	DIG	16Oct17	13Feb21	
			WA6ELU	Daniel	DM13bs	SSB	05Oct20	04Jan21	
			W6GJB	Glen	CM87wa	DIG	02May20	12Dec20	
			KD6TKX	Andy	CM96ep	CW	09Dec20	12Dec20	
			KK6TG	Bruce	CM88ql	DIG	18Mar18	18Jul20	
			K6ER	Erick	CM87rv	DIG	12Jul20	12Jul20	
			W6DAX	John	CM98os	DIG	15Oct19	10Mar20	
			W6RYO	Gary	DM14ed	DIG	01Oct19	09Mar20	
			KQ6RS	Randy	DM12kx	DIG	05Jan19	19feb20	
			K6FOD	Frank	DM04wc	DIG	10Dec19	02Feb20	
			NU6O	Joe	CN70vr	DIG	17Oct17		[WI2XBQ]
			K1YQP	Fred	CM98mp	DIG	21Jan18		
			KJ6KO	Greg	CM98oq	DIG	21Jan18		
			W6DJX	Henry	DM04vq	CW	16Sep18		
			WE6Z	Doug	CM98mn	CW DIG	06May19		

QSO	QSL	ST	CALL	NAME	GRID	QSO MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	CO	KØKE	Keith	DM79pm	CW DIG SSB	04Nov17	14Jan23	[2200m] 630m WAS:43 2200m WAS:13 Off-the-air UFN
			NCØB	Rob	DN70sp	CW DIG	23Oct17	25Feb23	DX QSO:VK4YB
			KFØGRL	Brian	DM69ue	DIG	28Mar22	04Mar23	[2200m]
			KDØVBR	Tom	DM79hw	CW SSB	16Oct17	20Jan23	
			WØPKM	Mark	DM79ks	CW DIG SSB	10Dec17	31Jan21	
			N6TXA	Rick	DM79rq	CW SSB	27Apr20	31Jan21	
			AI8Z	Mike	DM57rj	CW DIG	21Apr19	11Dec20	[WD2XSH/12]
			N6GN	Glenn	DN70ll	DIG	17Oct17	11Oct20	
			WØRW	Paul	DM78nt	CW	16Oct17	28Apr20	[WD2XSH/21]
			WØQL	Mark	DM79ot	DIG	28Oct18		
			KW7T	Ike	DM59rb	CW	01Feb18		
			WØNW	Brian	DM57ri	CW	21Jun19	-----	QTH now AZ
[ ]	[ ]	CT	K1RGO	Sal	FN31ni	CW	19Oct17	17Mar23	
			AJ1G	Chris	FN41bi	CW	21Mar22	04Apr22	
			KA1AL	Al	FN31gm	DIG	27Nov17	31Jan23	
[ ]	[ ]	DE	WA3U	Dave	FM29co	DIG	09Apr18	05Jul22	WAS:40
[ ]	[ ]	FL	W4BCX	James	EL98pd	CW DIG	15Dec17	27Dec22	[WI2XRM]
			WA4NFY	Stan	EL98im	CW	23Jan19	05Dec21	
			K2BLA	Albert	EL99hb	CW DIG	15Oct17	04Mar21	[WI2XBV]
			W5DFN	David	EM70hn	DIG SSB	25Feb19	17Nov20	
			N1HO	Brandy	EL96xh	DIG	25Feb19	22Mar20	Winter-spring QTH
			K1UTI	Robert	EL86wx	DIG	23Dec17		
[ ]	[ ]	GA	WB4JWM	Tom	EM83ji	DIG SSB	23Nov17	16Jul23	[2200m] 630m WAS:40 FST4 QSO:ZF1EJ
			K4AEK	Jim	EM74jg	DIG SSB	12Jul18	07Jan23	
			NY4Q	William	EM84bm	DIG	10Mar20	08Jan23	
			W8JI	Tom	EM73xb	CW	15Jan23	03Jun23	
			WB4LRA	Chuck	EM74ic	DIG SSB	24Oct19	07Apr20	
			K8RZ	Jim	EM84aj	DIG	24Sep19		
[ ]	[ ]	HI	K9FD	Merv	BL11je	CW DIG	16Oct17	30Jan21	QTH Now IL
			KL7L	Laurence	BL02gf	CW DIG	21Mar20	21Mar20	630m PORTABLE
[ ]	[ ]	ID	W7OUU	Jim	DN22sn	DIG	29Jan21	12Feb21	
			W7HDL	George	DN35be	CW	15Dec17		
[ ]	[ ]	IL	N9RU	Tom	EM57mp	CW DIG SSB	17Nov17	14Jul23	FST4 QSO:ZF1EJ
			WA9CGZ	Joe	EN61ch	DIG	17Oct17	13Jun23	
			W9KM	Andrly	EN51wr	DIG	02Feb23	03Feb23	
			WD9EKA	Robert	EM69ek	DIG	26Mar23	14Jun23	
			W9XA	Kermit	EN51uu	DIG	20Oct17	10Apr22	
			KE9NS	Darrin	EN52va	DIG	24Jan22	09Feb22	
			K9FD	Merv	?	DIG	03May22	03May22	Moved to IL from HI
			W9KM	Andriy	EN51wr	DIG	26Nov21	30Nov21	
			KC9PCP	Linas	EN61br	DIG	28Dec18		

QSO	QSL	ST	CALL	NAME	GRID	QSO MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	IN	K9KFR	Bob	EN71gg	CW DIG	06Nov17	16Jul23	[2200m] FST4 QSO:G0MRF F5WK
			N9MKC	Dave	EN71jg	DIG	06Aug22	31Oct22	
			KU8T	Tom	EN71ia	DIG	11Apr18	11Feb23	
			K9BLI	Bob	EN71kc	CW DIG	02May18	13Mar23	
			K9OMA	Jim	EN71jf	DIG	11Apr18	27Apr22	
			K9MRI	Joe	EN70iu	CW DIG	14Oct17	08Jan23	
			KA9OKH	Stephen	EM67fx	DIG	04Dec17	27Mar21	
			W8BYA	Gedas	EN70jt	CW DIG	19Mar19	19Feb21	
			W9GT	Jack	EN71lc	DIG	11Apr18	24Apr20	
			K9SLQ	Wayne	EN70jr	SK 08Mar20	14Oct17	-----	
			N9EGT	Wayne	EN70mp	CW DIG	25Oct17	-----	QTH now CO
			WW2LST	ARC	EM67fw	CW	10Nov17		
			KB9RLW	Kevin	EN71kc	CW	07Jul18	-----	QTH now RV on-the-road
[ ]	[ ]	IA	WBØTEM	Marc	EN12rt	DIG	15Nov19	26Dec22	FST4 QSO:ZF1EJ
[ ]	[ ]	KS	KC3OL	Ted	EM28ix	DIG	26Nov17		
			NØGMT	Robin	EM29qc	DIG	06Dec17		
			KBØPPQ	Cary	EM29od	DIG	08Dec17		
[ ]	[ ]	KY	NV4X	Girard	EM77sx	DIG	04Dec19	16Jul23	FST4 QSO: ZF1EJ
[ ]	[ ]	LA	W7XU/5	Arliss	EM31ep	CW DIG	12Apr21	13Apr21	630m PORTABLE
[ ]	[ ]	ME	WA1JAS	Mike	FN55wj	CW	01Mar20	14Feb23	
			K1BZ	Dave	FN54ci	CW DIG SSB	22Aug18	23Mar23	Moved from MD
			N1BUG	Paul	FN55mf	CW DIG	01Jan18		
[ ]	[ ]	MD	WB3AVN	Frank	FM19og	CW DIG SSB	27Jan18	18Dec22	WAS:36 FST4 QSOs:G0MRF PA0LSB ZF1EJ VE9GJ
			N3FL	Fred	FM19ua	CW DIG SSB	17Oct17	08Jan22	Info for weekend home
			N3HSK	Ronnie	FM28ei	DIG	14Feb20	04Feb22	
			W3XY	Denley	FM19kd	DIG	30Nov17	13Nov22	FST4 QSO:ZF1EJ
			WM3M	Emory	FM19kg	DIG	22Nov19	28Jan21	
			KD3UY	Robert	FM19lg	DIG	12Jan21	22Jan23	
			K3RWR	Rob	FM18qi	DIG	16Oct17		
			W3LPL	Francis	FM19lg	CW DIG	01Nov17		Also uses W3GRF
[ ]	[ ]	MA	W1XP	Robert	FN42fo	CW DIG	15Dec17	10Jan22	[WD2XSH/37]
			N1SV	Les	FN42ep	CW DIG	23Dec18	18Dec22	FST4 QSO:G0MRF PA0LSB
			WU3C	Jessica	FN42eo	DIG	30Jul19	27Jan22	
			WA1MTZ	Mike	FN32oc	CW	14Jan21	24Jan21	
			K2ORS	Warren	FN42hi	CW		23Mar20	[WD2XSH/23 & WE2XGR/1]
			KA1R	Matt	FN42ne	DIG	23Nov17	18Jan20	
			AA1A	Dave	FN42pb	CW DIG	26Oct17	10Jan20	[WD2XSH/17] Also uses W1FRV
			W1TAG	John	FN42bi	CW	01Nov17		[WE3XGR/3]
			WA1OJN	Bob	FN32pi	DIG	03Dec17		
			KK1W	Jim	FN32vd	CW DIG	13Dec17		
[ ]	[ ]	MI	KB8U	Russ	EN71rx	CW DIG SSB	25Jan19	17May23	[2200m] FST4 QSO:G0MRF ZF1EJ
			K8HTL	Ken	EN74oh	CW DIG SSB	21Nov17	23Mar23	[2200m] FST4 QSO:G0MRF ZF1EJ VE9GJ
			K8PD	Paul	EN62vs	DIG	16Feb23	26Feb23	
			WB8RJY	Jeffory	EN72sm	DIG	24Feb23	22May23	
			WB8DQT	Ralph	EN72sn	DIG	26Apr23	27Apr23	
			N8OKR	Terry	EN73fk	DIG	23Nov22	24Nov22	
			W8MQW	Chuck	EN72ur	CW DIG	19Nov18	10Dec21	
			K8YBU	Harold	EN74wh	DIG	24Jan21	22Dec21	
			KF8MY	Michael	EN84cb	DIG	16Mar20	03Feb21	

QSO	QSL	ST	CALL	NAME	GRID	QSO MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	MN	WBØDBQ	Alan	EN46bw	DIG	12Nov17	27Apr22	
			WØDJK	Don	EN34qh	DIG	09Jan19	25Jan20	
[ ]	[ ]	MS	NO KNOWN ACTIVE 630M or 2200M QSO STATIONS						
[ ]	[ ]	MO	NØLBY	Jim	EM38uo	DIG	22Jan21	28Jan22	FST4 QSO:ZF1EJ
			KØWYN	Gary	EM48bo	DIG	20Feb20	27Dec22	
			WØETH	David	EM38ph	DIG	26Mar18	19Dec20	
			WA2KBZ	Karl	EM38wm	DIG	17Oct19	22Mar20	
			W5EWF	Club	EM38wm	DIG	17Oct19		Signal Corps Memorial Club op:WA2KBZ
[ ]	[ ]	MT	KK7UV	Steve	DN36bu	CW	17Oct17		
[ ]	[ ]	NE	WØIOO	Bill	EN10qu	DIG	27Sep19	08Jul23	WAS:35 QSO:ZF1EJ
[ ]	[ ]	NV	AG6EE/7	Petr	DM09xg	DIG	30Dec19	27Dec21	630m PORTABLE
			WA7YBS	Henry	DM09fg	CW	02Apr18		
			KI7KG	Bob	DM09bp	DIG	05Feb19		
[ ]	[ ]	NH	WU2D	Mike	FN43ha	CW	13Dec21	25Jan23	
			KN1H	John	FN33sg	CW DIG	14Feb18	16Oct22	[WD2XSH/38]
			WQ2H	Jim	FN32xv	DIG	26Aug19	02Dec20	
[ ]	[ ]	NJ	K2LRE	Mike	FN20uu	CW	24Dec17	25Apr21	[WD2XSH/42]
[ ]	[ ]	NM	KM5SW	Paul	DM65st	DIG	28Sep18	06Mar23	FST4 QSO:ZF1EJ
[ ]	[ ]	NY	N2VJ	Jamie	FN22uh	DIG CW	03Jan20	11Mar23	FST4 QSO G4CLU
			KD2OM	Steve	FN12gx	DIG	01Jan23	15Mar23	
			W3EMD	Buzz	FN31bv	CW	12Oct20	09Apr23	
			AE2EA	Mark	FN12fr	DIG	21Mar18	15Mar23	
			WB2EMS	Kevin	FN12ri	DIG	04Jan20	24Feb21	
			K2DVA	Dennis	FN32cp	DIG	03Dec18	21Dec20	
			N2END	Louis	FN24wh	DIG	30Oct18	23Sep20	
			W2RBA	Joe	FN22ln	CW	23Nov17		
			N2EIK	John	FN21xw	CW DIG	25Nov18		
[ ]	[ ]	NC	K4BYN	Louis	FM05qu	CW DIG	20Nov19	13Apr23	WAS:34 FST4 QSO:ZF1EJ
			N1HO	Brandy	EM85sg	DIG	14Oct18	12Sep22	Summer-Fall QTH
			N4TKW	Jeff	EM96sk	DIG	07Feb22	22Apr23	
			W4VU	Dave	FM06fb	DIG	10Mar22	28Dec22	
			N1DAY	David	EM85sg	DIG	14Oct17	22Dec22	[WI2XUF]
			K4SV	Dave	EM85we	DIG	17Feb18	01May20	
			N4PY	Carl	FM06wf	CW	14Oct17		
			KC4SIT	Ernie	EM85tg	SK 18Jul19	31Oct17	-----	[WI2XQU]
[ ]	[ ]	ND	WØSD/Ø	Ed	EN06ne	DIG	13May21	13May21	630m PORTABLE

QSO	QSL	ST	CALL	NAME	GRID	QSO MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	OH	ABØCW	Mark	EM79sd	CW DIG	11Nov19	18Dec22	
			WB8JUI	Rick	EN81nf	DIG	10Mar21	13Jan23	
			WB8DC	Dan	EN91cj	DIG	17Aug20	04Jan23	WB8DC/M testing at home QTH
			AA8HS	Bruce	EN81dq	DIG	04Aug18	21Mar22	
			K8RYU	Ralph	EM99gk	CW	14Dec17	14May22	
			N8VET	Norman	EN80qq	DIG	02Apr22	23Sep22	
			K8TV	Ken	EN81xh	CW DIG	24Oct17	25Dec22	[2200m]
			N8IVE	Dennis	EN91pj	DIG SSB	29Jul18	29Oct22	
			W8RKO	Mike	EM79wq	DIG	23Jan20	23Jan20	
			AC8CL	Mark	EN90gt	CW	24Oct17		
			W8RUT	George	EN80nf	DIG	26Oct17		[WI2XFI]
			NC8W	Paul	EN90ht	DIG	04Dec17		
			W8ARE	Terry	EN80nd	DIG	04Dec17		
			W8TXT	Michael	EN81pj	CW	02Oct18		
[ ]	[ ]	OK	K5DNL	Ken	EM15lj	DIG	14Oct17	21May21	
			KG5YUJ	Andrea	EM15lj	DIG	07Dec18		
[ ]	[ ]	OR	N6LF	Rudy	CN83ls	CW DIG	16Oct17	17Apr22	[WD2XSH/20] QRZ for 630m QSOs
			K7SF	Steve	CN85qi	QRT	16Oct17		Inactive until further notice
[ ]	[ ]	PA	W3TS	Mike	FN10ml	CW DIG SSB	08Jan18	14Jul23	FST4 QSO:ZF1EJ
			NO3M	Eric	EN91wr	CW DIG SSB	14Oct17	29Apr23	[WG2XJM][2200m] Also uses W8CDX
			K3XR	Dan	FN10xh	CW	28Aug22	23Sep22	
			K3MF	Wayde	FM19sr	CW DIG SSB	07Dec17	23Mar23	[2200m] FST4 QSOs:G0MRF PA0LSB
			W3HMS	John	FN10mf	DIG	15Mar18	30Mar23	
			KD3HN	Mike	FM19ru	DIG	14Jan21	19Oct22	
			NF3R	Joel	FN20dg	DIG	10Nov19	19Nov21	
			K3QNT	Lloyd	FN00ra	CW	06Apr20	30Sep20	
			W3SZ	Roger	FN20ag	CW DIG	11Mar18	27Nov22	
			AA3GZ	Jack	FN20kh	SK 05Nov18	30Apr18	-----	
			W3ZGD	Club	FM19ru	DIG	09Sep19		Hilltop Transmitting Association op:K3MF
[ ]	[ ]	RI	NO KNOWN ACTIVE 630M or 2200M QSO STATIONS						
[ ]	[ ]	SC	K4LY	Doug	EM85wb	CW DIG SSB	14Oct17	05Dec20	[WH2XZO]
			N4UFP	Marc	EM94lx	SK 14May23	16Feb19	21Nov20	
			AE4VJ	Roger	EM94kx	DIG	12Nov19		
[ ]	[ ]	SD	WØSD	Ed	EN13ip	CW DIG	02Jan18	22Apr23	FST4 QSO:VK4YB
			KØHW	Jim	EN12ps	DIG	05Mar22	24Nov22	[WD2XSH/35]
			KBØHYH	Darin	EN12lx	DIG	28May21	31Jan23	
			W7XU	Arliss	EN13lm	CW DIG SSB	15Jan19	07Jun21	FST4 QSO:ZF1EJ
[ ]	[ ]	TN	KU4XR	Andy	EM75xr	DIG	18Feb18	30Jan23	
			K4EJQ	Bunky	EM86um	CW	16Oct17		
			WE4X	David	EM65ut	DIG	19Oct17		

QSO	QSL	ST	CALL	NAME	GRID	QSO	MODES	FIRST QSO	LAST QSO	[PART-5 CALL] [2200m QSOs] and REMARKS
[ ]	[ ]	TX	KB5NJD	John	EM12mp	CW	DIG SSB	14Oct17	10Jul23	[WG2XIQ] [2200m] QRZ for 2200m CW QSOs
			KE7A	Richard	EM13ka	CW	DIG SSB	29Jan18	16Jul23	Also uses K1CG
			AB5S	Dave	EM13ta	CW	DIG	11Dec17	26Apr21	
			N5TM	Dan	EL29ds	CW	DIG	25Jan19	25Feb21	Off-the-air on 630m as/of 11Aug22
			AA5IT	Frank	EM20vd	CW	DIG SSB	04Jan19	17Oct20	
			KF5RY	Steve	EM12np	CW		17Oct17		
			W5EMC	Frank	EM10cl	CW	DIG	21Oct17		
			AE5X	John	EM20jb	CW	DIG	21Nov17		QTH now Florida
			K5DOG	Steve	EM00wh	CW	DIG	22Nov17		
			K5DN	Bob	EL19aw	DIG		17Feb18		
			W5OXC	John	EM13mm	CW		20Mar18		
			KK4KYE	Eric	EM10dJ	DIG		24Dec18		
[ ]	[ ]	UT	KA7OEI	Clint	DN40ao	CW	DIG SSB	25Nov17	22Dec22	
[ ]	[ ]	VT	WA3ETD	John	FN33lq	CW	DIG SSB	17Oct17	11Oct21	[WG2XKA]
			N2BJW	Scott	FN34im	DIG		10Feb18		
			W1IR	Brian	FN34lp	DIG		16Mar18		[WG2XPJ]
[ ]	[ ]	VA	NA4N	Greg	FM18aq	CW		24Mar21	22Jun23	[2200m] 156 630m CW QSOs
			N9RUN	Mike	FM08wv	DIG		28Dec22	28Dec22	
			WA4LM	David	FM27bq	DIG		02Mar20	27May22	
			WA1ZMS	Brian	FM07jj	CW	SSB	16Oct17	12Dec21	[WD2XSH/31] [2200m]
			W4KZK	Charles	EM97xe	DIG		17Jan18	27Feb21	
			W4IQ	Randall	EM97tf	CW		19Nov17		
[ ]	[ ]	WA	W7IUUV	Larry	DN07dg	CW	DIG	16Oct17	15Feb23	[WH2XGP] [2200m] 630mWAS:41 2200mWAS:12 QSL:SASE
			AH6EZ	Dick	CN88pb	CW	DIG	16Oct17	17Dec21	
			KW7Y	Paul	CN88se	CW	DIG	25Aug19	17Dec21	VK4YB JT9 QSO:11,848km
			WØYSE	Neil	CN85rq			16Oct17	22Jun20	[WG2XSV] QTH now UT
			W7RNB	Ricky	CN87ts	DIG		16Oct17		[WI2XJQ]
			W7WKR	Dick	CN98pi	DIG		16Oct17		[WD2XSH/26]
			N6PIG	William	DN06	JT9		28Dec17		
			AA7N	Sparky	CN88rt	CW	DIG	18Jan19		[Old call:K7YCH as of 07Jan20]
[ ]	[ ]	WV	AA8SH	Clark	EM88sj	CW	DIG SSB	30Jan22	16Jul23	
[ ]	[ ]	WI	W9SRW	Tim	EN64al	CW	DIG	13oct19	12Jul23	[2200m] FST4 QSO:ZF1EJ
			N9LB	Lloyd	EN52hv	CW	DIG SSB	01Jan20	02Jan23	[2200m] WAS:37 FST4 QSO:G0MR F ZF1EJ
			W9JN	John	EN54dn	DIG		24Jan20	19Feb23	
			K9TVG	Jacob	EN54co	DIG		17Mar20	07Jan23	
			WB9OWN	David	EN52xv	DIG		19Jul20	17Apr21	[2200m]
			WD8DAS	Steve	EN52hx	CW	DIG	13Nov17	05Mar19	[WH2XHY]
[ ]	[ ]	WY	WØSD/7	Ed	DN73?	DIG		20May21	21May21	630m PORTABLE



